⬤ MUSASINO

CHECKING OF SETTING DATA.(TYPE:MDA-E)

1 Push MODE button about 3SEC.

   Temp indicator appear   (H‑‑1)

   Level indicator appear " 0 "

2 Level indicator set to " 1 " by up down marks.

   (↑ ↓)

3 Push again "MODE" button. after than

   setting program as below.

   (Temp indicator should be   " B‑‑1 ")

   (Level indicator various number)

4 Warning is set with each button.

   (MODE)

   Temp indicator change " B‑‑1 "

   (setting program under mentioned data)

   (↓) reading up

   (↑) reading down

   (ENT)   Memory

   S e t t i n g   p r o g r a m

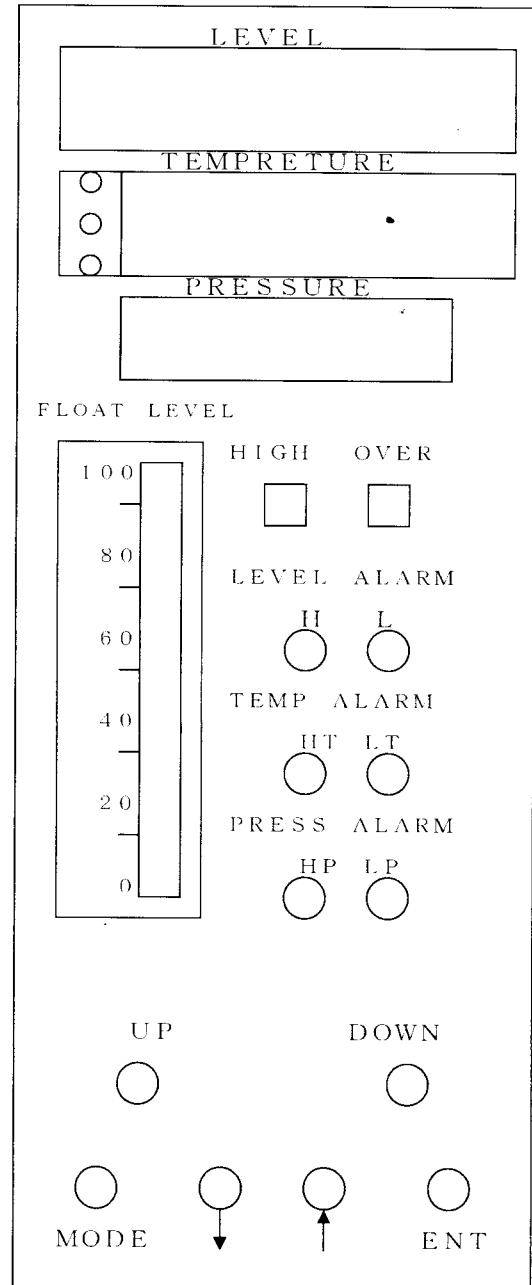   A — 1   (   )

   A — 2   (   )

   A — 3   (   )

   .

   B — 1   (   )

   B — 2   (   )

   .

   C — 1   (   )

   C — 2   (   )

   .

   ..etc..

LEVEL

TEMPRETURE

PRESSURE

FLOAT LEVEL

100 80 60 40 20 0

HIGH   OVER

LEVEL ALARM
H   L

TEMP ALARM
HT   LT

PRESS ALARM
HP   LP

UP   DOWN

MODE ↓ ↑ ENT

MUSASINO

CHECKING OF SETTING DATA.(TYPE:MDA-E)

1) To display "H－－ 1" on temperature Indicator by pushing switch to Change mode [MODE]

2) To display " 1 " on level indicator by pushing Switch to Increase/Decrease setting value [↑ / ↓]

Figure will increase by pushing [↑], and decrease [↓]

Important!! If the operation is suspend for 120 sec. and more level Indicator Will return to "0" in such case please repeat the same procedure again

3) To display "B--1" on temperature indicator by pushing switch to change Mode [MODE] (At first, B--1 is displayed. At second, B--2 is displayed. At third, B--3 is displayed....etc) Please write down all data.

0

b - - 1

MUSASINO

CHECKING OF SETTING DATA.(TYPE:MDA-E)

H - - 1

4) To display "**C— — 3**" on temperature indicator by pushing switch to change Mode [MODE] (At first, C--1 is displayed. At second, C--2 is displayed. At third, C--3 is displayed......etc) Please write down all data.

0

C - - 1

🌓 MUSASINO

CHECKING OF SETTING DATA.(TYPE:MDA-E)

Step as below

1. Press and hold "Mode" for 3Sec
2. You will see H--1 with 0, please press arrow key up to 11 and you will see (H--1 with 11) and press "Mode" for 1 time
3. Digital Indicator will show B--1 with value please write down the data and follow by pressing "Mode" 1 time by 1 time to get all B-mode data.

4. After B-Mode please go back to H--1 with 0, please press arrow key up to 12 and you will see (H--1 with 12) and press "Mode" for 1 time
5. Digital Indicator will show C--1 with value please write down the data and follow by pressing "Mode" 1 time by 1 time to get all C-mode data.

6. After C-Mode please go back to H--1 with 0, please press arrow key up to 13 and you will see (H--1 with 13) and press "Mode" for 1 time
7. Digital Indicator will show D--1 with value please write down the data and follow by pressing "Mode" 1 time by 1 time to get all D-mode data.

8. After D-Mode please go back to H--1 with 0, please press arrow key up to 14 and you will see (H--1 with 14) and press "Mode" for 1 time
9. Digital Indicator will show E--1 with value please write down the data and follow by pressing "Mode" 1 time by 1 time to get all E-mode data.

10. After E-Mode please go back to H--1 with 0, please press arrow key up to 15 and you will see (H--1 with 15) and press "Mode" for 1 time
11. Digital Indicator will show F--1 with value please write down the data and follow by pressing "Mode" 1 time by 1 time to get all F-mode data.

Alarm setting method

Push MODE button about 3SEC.

Temp indicator appear   (H−1)

Level indicator appear   (from "0" to "5")

2   Level indicator set to "0" by up down marks.

(↑ ↓)

3   Push again "MODE" button, than comes alarm

setting   program.

(Temp indicator should be   "A−1")

(Level indicator various number)

4   Part of each button as follows.

(MODE)

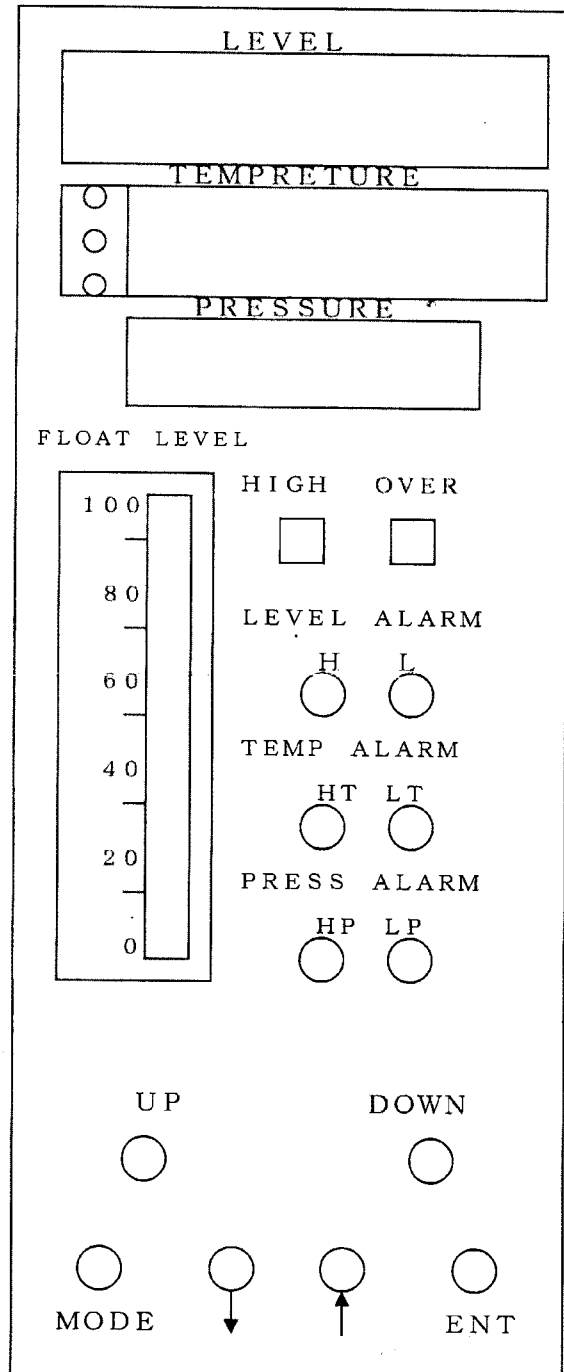Temp indicator change   "A−1" to "A−12"

(setting program under mentioned)

(↓) Decrease the set value

(↑) Increase the set value

(ENT) Memory

Setting   program

A−1	on timer	(level alarm only)
A−2	off timer	(level alarm only)
A−3	high high level	(m)
A−4	high alarm level	(m)
A−5	low alarm level	(m)
A−6	low low level	(m)
A−7	high temp	(℃)
A−8	low temp	(℃)
A−9	high press	(KPa)
A−10	low press	(KPa)
A−11	Pre high press	(KPA)

LEVEL

TEMPRETURE

PRESSURE

FLOAT LEVEL

100

80

60

40

20

0

HIGH   OVER

LEVEL   ALARM

H   L

TEMP   ALARM

HT   LT

PRESS   ALARM

HP   LP

UP   DOWN

MODE   ↓   ↑   ENT

CHECKING method (modeB)

1 Push MODE button about 3SEC.
   Temp indicator appear (H－1)
   Level indicator appear (from "0" to "15")

2 Level indicator set to "1 or 11" by up down mark
   (↑ ↓)

3 Push again "MODE" button, than comes press
   setting program.
   (Temp indicator should be "b－1")
   (Level indicator various number)

4 Part of each button is follows.
   (MODE)
   Temp indicator change "b－1" to "b－8"
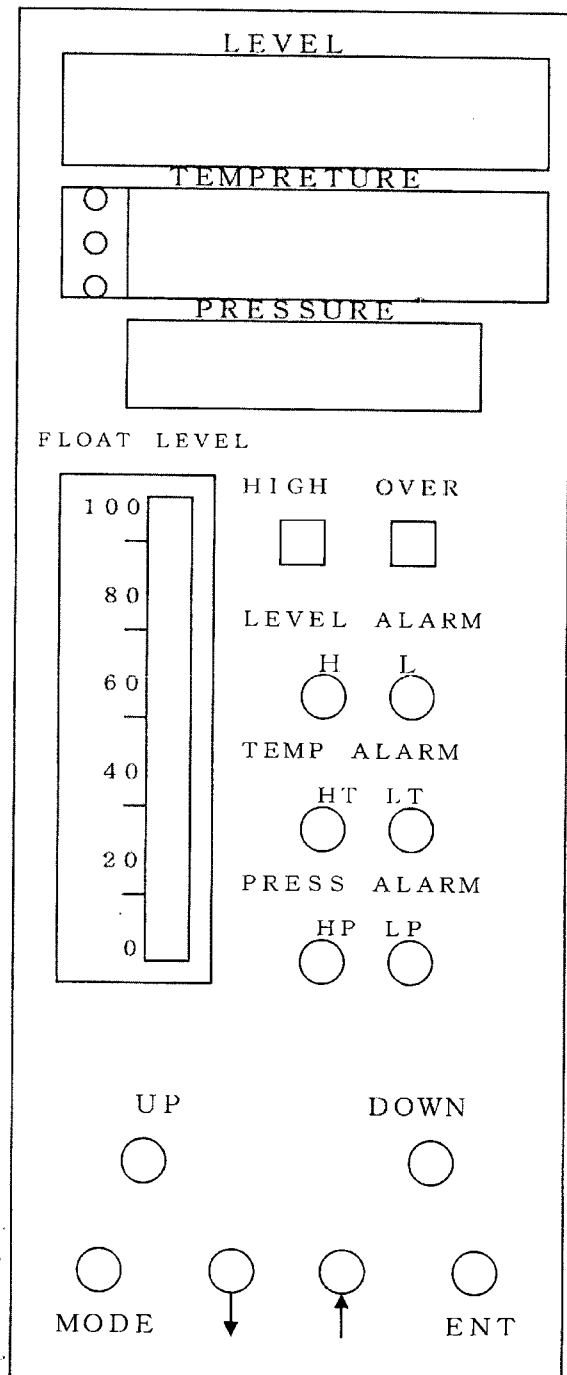   (setting program under mentioned)

   (↓) reading up

   (↑) reading down

   (ENT) Memory

Setting program

B－1	SELECT OF DISPLY(*1	)
B－2	BIT RATE (*1	)
B－3	UNIT NO (*2)	
B－4	KIND OF ALARM(*1	)
B－5	Number of out put terminal (*1	)
B－6	Number of out put terminal (*1	)
B－7	Number of out put terminal (*1	)
B－8	Number of out put terminal (*1	)

*1 Same value as other tanks.

* 2 Put set tank address No according to drawing.

LEVEL

TEMPRETURE

PRESSURE

FLOAT LEVEL

100
80
60
40
20
0

HIGH   OVER

LEVEL ALARM
H   L

TEMP ALARM
HT   LT

PRESS ALARM
HP   LP

UP   DOWN

MODE   ↓   ↑   ENT

CHECKING method (mode C)

1   Push MODE button about 3SEC.

     Temp indicator appear   (H− 1)

     Level indicator appear   (from "0" to "15")

2   Level indicator set to "2 or 12" by up down marks

     (↑ ↓)

3   Push again "MODE" button, than comes press

     setting   program.

     (Temp indicator should be   "C−1")

     (Level indicator various number)

4   Part of each button is follows.

     (MODE)

     Temp indicator change   "C−1" to "C−6"

     (setting program under mentioned)

     (↓) reading up

     (↑) reading down

     (ENT)   Memory

Setting   program
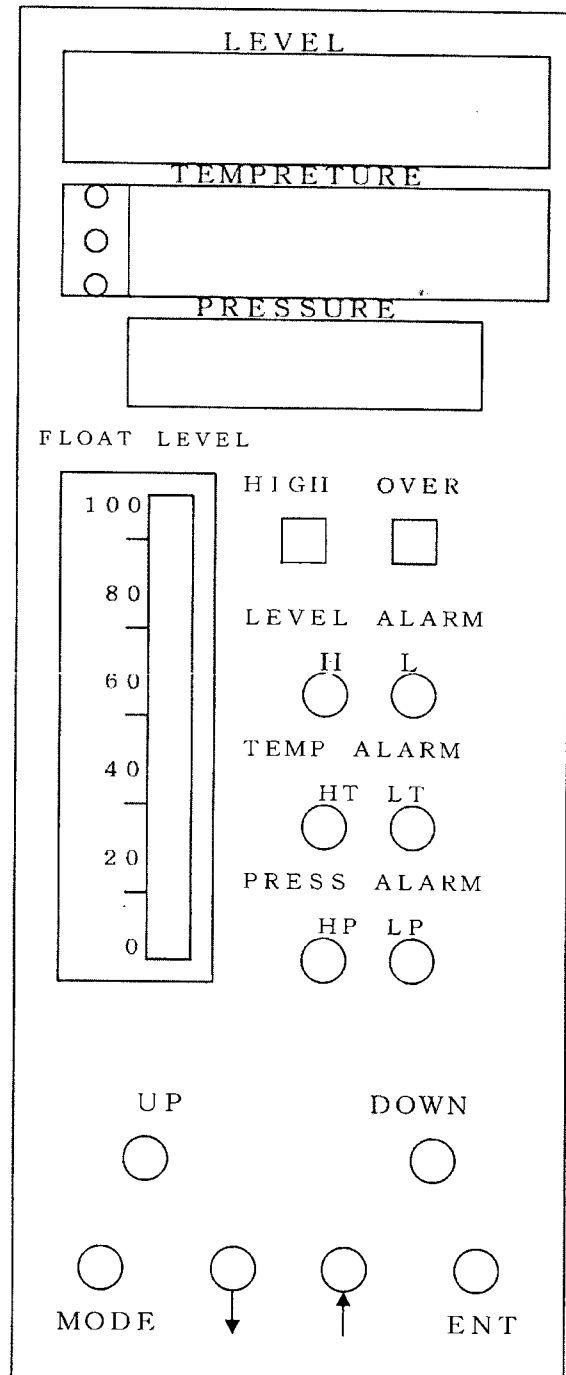
C− 1   ZERO ADJ FOR LEVEL(∗1   )

C− 2   SPAN ADJ FOR LEVEL (∗1   )

C− 3   ZERO ADJ FOR BAR. (∗2   )

C− 4   SPANADJ   FOR BAR.(∗3   )

C− 5   SELECT TO UNIT mm OR cm (∗1   )

C−6   DON'T TOUCH   (∗1   )

∗1   Common value with other tanks, Should be input same value

∗2   To be input level gauge of tank top value.

∗3   To be input level gauge bottom value (+3cm)

     Example, Bottom value 18.71m, input value is 18.74m

LEVEL

TEMPRETURE

PRESSURE

FLOAT LEVEL

100

80

60

40

20

0

HIGH   OVER

LEVEL   ALARM

H   L

TEMP   ALARM

HT   LT

PRESS   ALARM

HP   LP

UP   DOWN

MODE   ↓   ↑   ENT

TANK LEVEL GAUGE (LEVEL ECHO ACE)

NO. ↓	タンク名称 TANK NAME	寸 法 mm DIMENSION mm A	B	C	H	U	手入れ孔取付方向 FITT. DIREC. FOR MAITENANCE HOLE	端子番号 TERMINAL NO.	ケーブルグランド CABLE GLAND	参照図面番号 REFERENCE DRAWING NO.
1	NO.1 C.T.(P)	15166.5	14653.5	513	39	1100	AFT. SIDE	A 1, B 1, C 1 D 1, E 1, F 1	SGGO-B2216 (16mm) SGGO-B2214 (20mm)	LE04A001-2 KT801038
2	NO.1 C.T.(S)	〃	〃	〃	〃	〃	〃	A 2, B 2, C 2 D 2, E 2, F 2	〃	〃
3	NO.2 C.T.(P)	15141.5	14628.5	〃	〃	〃	〃	A 3, B 3, C 3 D 3, E 3, F 3	〃	〃
4	NO.2 C.T.(S)	〃	〃	〃	〃	〃	〃	A 4, B 4, C 4 D 4, E 4, F 4	〃	〃
5	NO.3 C.T.(P)	〃	〃	〃	〃	〃	〃	A 5, B 5, C 5 D 5, E 5, F 5	〃	〃
6	NO.3 C.T.(S)	〃	〃	〃	〃	〃	〃	A 6, B 6, C 6 D 6, E 6, F 6	〃	〃
7	NO.4 C.T.(P)	〃	〃	〃	〃	〃	〃	A 7, B 7, C 7 D 7, E 7, F 7	〃	〃
8	NO.4 C.T.(S)	〃	〃	〃	〃	〃	〃	A 8, B 8, C 8 D 8, E 8, F 8	〃	〃
9	NO.5 C.T.(P)	〃	〃	〃	〃	〃	〃	A 9, B 9, C 9 D 9, E 9, F 9	〃	〃
10	NO.5 C.T.(S)	〃	〃	〃	〃	〃	〃	A10, B10, C10 D10, E10, F10	〃	〃
11	NO.6 C.T.(P)	〃	〃	〃	〃	〃	〃	A11, B11, C11 D11, E11, F11	〃	〃
12	NO.6 C.T.(S)	〃	〃	〃	〃	〃	〃	A12, B12, C12 D12, E12, F12	〃	〃
13	NO.7 C.T.(P)	〃	〃	〃	〃	〃	〃	A13, B13, C13 D13, E13, F13	〃	〃
14	NO.7 C.T.(S)	〃	〃	〃	〃	〃	〃	A14, B14, C14 D14, E14, F14	〃	〃
15	NO.8 C.T.(P)	15193.5	14680.5	〃	〃	〃	〃	A15, B15, C15 D15, E15, F15	〃	〃
16	NO.8 C.T.(S)	〃	〃	〃	〃	〃	〃	A16, B16, C16 D16, E16, F16	〃	〃
17										
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24										
25										

3	28-JUL.-2008	Revision	A. Nishimoto	Y. Omori	M. Shibahara	
2	20-MAY-2008	Revision	A. Nishimoto	Y. Omori	M. Shibahara	
1	12-FEB.-2008	Revision	A. Nishimoto	Y. Omori	M. Shibahara	
	9-JAN.-2008	First issue.	A. Nishimoto	Y. Omori	M. Shibahara	TITLE
REV.	DATE	DESCRIPTION	APP	CHK	DWN	寸 法 表 DIMENSION TABLE